



FORM PTO-1449  
(REV. 7.80)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

DOCKET NO.: 1000-1216

SERIAL NO.: 10748,631

**LIST OF PRIOR ART CITED BY APPLICANT**  
(Use several sheets if necessary)

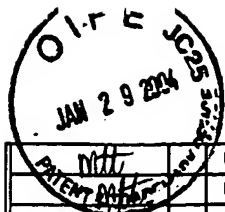
APPLICANT: Alex Nugent

FILING DATE: 12/30/2003

GROUP ART UNIT:  
Not Yet Assigned

**U. S. PATENT DOCUMENTS**

| *EXAMINER<br>INITIAL | DOCUMENT NUMBER            | DATE                | NAME             | CLASS          | SUBCLASS      | FILING DATE<br>(if appropriate) |
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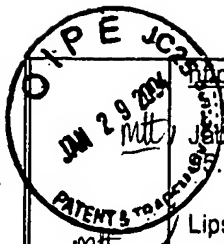
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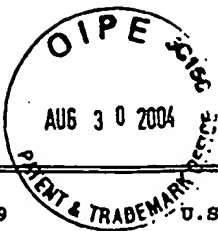
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(REV. 7.80)

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SERIAL NO.: 10/748,631

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APPLICANT: Alex Nugent

FILING DATE: Dec. 30, 2003

GROUP ART UNIT: 2121

U. S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE       | NAME           | CLASS | SUBCLASS | FILING DATE<br>(if appropriate) |
|----------------------|-----------------|------------|----------------|-------|----------|---------------------------------|
| mtt                  | 5,706,404       | 01/06/1998 | Colak          | 395   | 24       | 07/30/1996                      |
| mtt                  | 5,315,162       | 05/24/1994 | McHardy et al. | 307   | 201      | 10/04/1991                      |
|                      |                 |            |                |       |          |                                 |
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|                      |                 |            |                |       |          |                                 |

FOREIGN PATENT DOCUMENTS

|     | DOCUMENT NUMBER | DATE       | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|-----|-----------------|------------|---------|-------|----------|-------------|----|
|     |                 |            |         |       |          | YES         | NO |
| mtt | WO 00/44094     | 07/27/2000 | WIPO    | H03K  | 19/00    | YES         |    |
|     |                 |            |         |       |          |             |    |
|     |                 |            |         |       |          |             |    |
|     |                 |            |         |       |          |             |    |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

PCT Notification of Transmittal of the International Search Report or the Declaration, Date of Mailing June 4, 2004

EXAMINER

Wai T. TRAN

DATE CONSIDERED

4/5/06

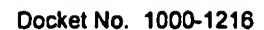
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





Docket No. 1000-1216

|   |   |  |                    |                                |          |                                 |    |
|---|---|--|--------------------|--------------------------------|----------|---------------------------------|----|
| FORM PTO-1449<br>(REV. 7.80)  |   | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE |                    | ATTY. DOCKET NO.:<br>1000-1216 |          | SERIAL NO.: 107748,631          |    |
| LIST OF PRIOR ART CITED BY APPLICANT<br>(Use several sheets if necessary)   |   |  |                    | APPLICANTS: Alex Nugent        |          |                                 |    |
|   |   |  |                    | FILING DATE: 12/30/2003        |          | GROUP ART UNIT: 2121            |    |
| U. S. PATENT DOCUMENTS  |   |  |                    |                                |          |                                 |    |
| *EXAMINER<br>INITIAL  | DOCUMENT NUMBER   | DATE   | NAME               | CLASS                          | SUBCLASS | FILING DATE<br>(If appropriate) |    |
| mtt   | US 2,707,223  | 04-1955  | Hollman, Hans E    | 338                            | 32R      |                                 |    |
| mtt   | US 3,833,894  | 09-1974  | Aviram et al.      | 368 340                        | 16T 173  |                                 |    |
| mtt   | US 4,926,064  | 05-1990  | Tapang, Carlos C.  | 708 307                        | 28 201   |                                 |    |
| mtt   | US 5,670,818  | 09-1997  | Forouhi et al.     | 257                            | 530      |                                 |    |
| mtt   | US 5,761,115  | 06-1998  | Kozicki et al.     | 365                            | 182      |                                 |    |
| mtt   | US 5,896,312  | 04-1999  | Kozicki et al.     | 365                            | 153      |                                 |    |
| mtt   | US 5,914,893  | 06-1999  | Kozicki et al.     | 365                            | 107      |                                 |    |
| mtt   | US 6,084,796  | 07-2000  | Kozicki et al.     | 365                            | 153      |                                 |    |
| mtt   | US 2001/0031900   | 10-2001  | Margrave, et al.   | 570                            | 126      |                                 |    |
| mtt   | US 2001/0041160   | 11-2001  | Margrave, et al.   | 423                            | 460      |                                 |    |
| mtt   | US 2002/0004028   | 01-2002  | Margrave et al.    | 423                            | 447.3    |                                 |    |
| mtt   | US 2002/0075126   | 06-2002  | Reitz, et al.      | 338                            | 21       |                                 |    |
| mtt   | US 2002/0086124   | 07-2002  | Margrave et al.    | 428                            | 36.9     |                                 |    |
| mtt   | US 2003/0031438   | 02-2003  | Kambe et al.       | 385                            | 122      |                                 |    |
| mtt   | US 6,620,346  | 09-2003  | Schultz et al.     | 252                            | 519.51   |                                 |    |
| mtt   | US 6,798,692  | 09-2004  | Kozicki et al.     | 365                            | 174      |                                 |    |
| mtt   | US 6,855,329  | 02-2005  | Shakesheff, et al. | 424                            | 409      |                                 |    |
| FOREIGN PATENT DOCUMENTS  |   |  |                    |                                |          |                                 |    |
|   | DOCUMENT NUMBER   | DATE   | COUNTRY            | CLASS                          | SUBCLASS | TRANSLATION                     |    |
|   |   |  |                    |                                |          | YES                             | NO |
| mtt   | RU 2071126 C1   | 06-1996  | Russia             | G11C                           | 13/02    | NO                              |    |
| mtt   | WO 03/017282 A1   | 08-2001  | PCT                | G11C                           | 11/21    | YES                             |    |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)  |   |  |                    |                                |          |                                 |    |
| mtt<br>mtt<br>mtt   | <u>Nanoparticles Get Wired</u> , Dimes Institute, Delft University of Technology, 1997<br>A. Bezryadin, <u>Trapping Single Particle with Nanoelectrodes</u> , Physics News Graphics, September 1997<br>Snow, et al., <u>Nanofabrication with Proximal Probes</u> , Proceedings of the IEEE, April 1997<br>P. O'Connor, G. Gramegna, P. Rehak, F. Corsi, C. Marzocca, <u>CMOS Preamplifier with High Linearity and Ultra Low Noise for X-Ray Spectroscopy</u> , IEEE Transactions on Nuclear Science, Vol. 44, No. 3, June 1997, pp. 318-325 |  |                    |                                |          |                                 |    |
| EXAMINER MAI T. TRAN  |   |  |                    | DATE CONSIDERED 4/5/06         |          |                                 |    |
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**SERIAL NO.: 10748,631**

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